

FOLIO

Board of Governors

On 3 December the horseshoe-shaped table in 3-15 University Hall bore the weight of copious sheets of paper, pens of varying description, coffee cups and a few jaws cupped in hands, and name plates identifying the receptive individuals who make up the Board.

The various reports, motions, and ruminations which these individuals concerned themselves with in the two and a half hour open portion of the meeting yielded the following news.

Operating Budget

The various principles and policies for the 1983-84 operating budget were approved. As per usual, the objective will be a balanced budget; the funding of continuing commitments will normally be provided from recurring revenues such as government operating grants, fees, and interest income.

Transfers from reserves and operating surplus to the operating budget for expenditures of a non-recurring nature may be made subject to policies established from time to time relative to the appropriate levels for such reserves and surplus.

Students' Union President Robert Greenhill moved that, due to the large tuition fee increase last year (twenty percent) and the financial duress facing many students, special consideration be given that the 1983-84 operating budget should incorporate no increase in fees as a source of further revenue with due consideration to existing government guidelines. As the actual nuts and bolts of the budget will not be determined for some time and as the motion, as the majority of the Governors saw it, would not be in harmony with the annual measures taken by various University committees including the Board

Finance Committee, the motion was defeated.

New Dean of Education

The appointment of Robert S. Patterson as Dean of the Faculty of Education was announced by the Board Academic Concerns Committee. Dr. Patterson will begin his five-year term of office on 1 July 1983.



Dr. Patterson earned his bachelor's and master's degrees at this University and his doctorate at Michigan State University. He began his teaching career at Ross Sheppard High School in Edmonton and later became a lecturer in our University's Department of Elementary Education.

He joined the Faculty of Education on a full-time basis in 1966 and taught, in the main, the history of education in Canada.

Dr. Patterson has been Chairman of the Department of Educational Foundations, Associate Dean of Planning and Development, and, for several months in 1978, Acting Dean of the Faculty.

He is a member of a number of professional associations including the Canadian Society for the Study of Education, the Canadian Association of Foundations of Education, and the Canadian History of Education Associations.

The current Dean, Walter Worth, will take an administrative leave for one year and then return to teaching and research in the Department of Educational Administration.

Reappointments

The Academic Concerns Committee also announced the reappointment of Gordon Thompson as Dean of the Faculty of Dentistry and the reappointment of Harvey Zingle as Chairman of the Department of Educational Psychology.

Both terms are for five years, commencing on 1 July 1983.

Dr. Thompson received his undergraduate degree from the University of British Columbia and his DDS degree from our University. He took further studies at the University of Toronto and was graduated with the degrees of MScD and PhD.

In 1975 he was made a Fellow of the Royal College of Dentists and, in 1980, a Fellow of the International College of Dentists.

Dr. Thompson, who was appointed Dean of Dentistry in 1978 after severing his Associate Dean and Professor-ties with the University of Toronto, is President of the Association of Canadian Faculties of Dentistry and a member of the Dental Admission Test Committee of the Canadian Dental Association.

After gaining baccalaureate, master's, and doctoral degrees here, Dr. Zingle taught and was an administrator at four Alberta schools. His initial full-time appointment to the University occurred in 1964.

He served as Director of the Counsellor Education Program (the first program in Canada to graduate doctoral counselling psychologists) from 1965 to 1976.

During his first term as Chairman of Educational Psychology, Dr. Zingle established a graduate program for the preparation of teachers of the hearing impaired and a program to prepare specialists to work with the multiple/dependent handicapped.

He is a former President of the Psychologists' Association of Alberta and the former Editor of *Canadian Counsellor*.

Dr. Zingle is currently Chairman of the Board of Examiners in Psychology (Universities Co-ordinating Committee).

Degree Program in Construction Engineering

Subject to new program funding from the provincial government, the Department of Civil Engineering will be offering a degree program in construction engineering. The BSc program would operate under a quota of thirty second, third, and fourth-year students, the Board decided.

The proposed program is well supported by the provincial construction industry as evidenced by its commitment to pay about ten percent of the operating costs arising during the first three years.

The program would attempt to satisfy the demands of the Alberta construction industry for professional engineers capable of carrying out the construction of those residential and commercial buildings and industrial complexes necessitated by future development.

Scrip Program

The Governors approved the continuation of the scrip program

employed by Housing and Food Services, with the condition that the department endeavor to implement five recommendations put forth by the program's reviewer, Beaver Foods Ltd. These concern a better communication program to explain scrip to students (essentially, a student pays a set amount of money at the start of term in return for scrip which is used to purchase meals at any cafeteria on campus), a regular review of costs and prices to ensure value, a review of the break-even mandate as it relates to fall and winter terms as opposed to spring and summer terms, a reduction of summer session labor costs, and continued emphasis on special functions/conference business to help subsidize the food service program.

The Board called for more information on the possibility of computerizing the program, on a comparison of costs with those incurred by other food outlets on campus, and on the possible extension of the scrip program from the end of April through the summer.

Telecommunications Utility Network
The Building Committee sought and received Board approval for an amount of up to \$464,000 for Phase I planning and construction of a local area communications network.

Documentation from A. T. Robertson, Director, Utilities Planning and Construction, noted that

"it is estimated that the existing 1,200 {remote} terminals will grow to over 5,000 within the next seven years, all of which will require interconnection before they can become serviceable."

Telecommunications network electronic equipment available from several manufacturers can now provide service for up to 30,000 terminals utilizing a single coax network cable less than three-eighths of an inch in diameter . . . the potential of such a system is very attractive, he wrote.

In Mr. Robertson's considered opinion, the completion of a telecommunications network for the University will take about five years. "The proposed digital telecommunications network system would provide a long-term solution to The University of Alberta's needs for

high quality, reliable, versatile, and high capacity service to accommodate the present and future requirements of high technology electronic equipment functions."

Double Take Department

The Building Committee reported for information that it had approved a capital expenditure supplementary request for a *downward* revised total cost of \$5,850,000 for construction of Car Park III. The committee learned that when the project was tendered the University received unexpectedly favorable contract prices. As a result a saving of approximately \$900,000 under the budgeted amount was realized.

Civil Engineering Building

The committee also reported for

information that it had approved the siting of the proposed Engineering III (Civil) Building adjacent to 116 Street and forming the western edge of the Engineering precinct.

Name Changes

The Department of Radiology will henceforth be known as the Department of Radiology and Diagnostic Imaging, the Board determined.

It was also decided that the Board Academic Concerns and Special Projects Committees will be amalgamated as a new Board Educational Affairs Committee. The objective is a streamlining of the Board committees to reflect current needs and practices, and to expediate the business of the University. □

Patent Policy Movement

Should someone at The University of Alberta build a better mousetrap, a patent policy adopted by the Board of Governors in 1974 and amended in 1979 will snap into place. The policy gives the University rights to all inventions made by staff of the University or made using University equipment.

The Board, as Vice-President (Research) Gordin Kaplan pointed out recently, may waive its interest. If that occurs the staff member may file for a patent in his own right and pay all the expenses for development.

According to Dr. Kaplan, an interim agreement with Canadian Patents and Development Ltd. (CPDL) is to be signed, the terms of which call for CPDL to file patents on behalf of the University, seek a commercial user, and share any revenue or license fees with the University and the inventor. The inventor normally receives fifteen percent of the income and the University receives thirty-five percent.

The interim agreement, Dr. Kaplan said, differs from the previous pact in that CPDL is prepared to "sell back to our institution any technology it has accepted on an exploitation basis. It is also prepared to act as a patent agent in obtaining a patent for the University and charging the University for the service. Finally, it is willing to accept for exploitation any

patents which it has previously processed on an agency basis."

Representatives of CPDL will be on campus next month to "stimulate interest of the academic staff in seeking patents and explain the procedures to be followed."

We will discuss objections to the new contract with them at that time, Dr. Kaplan told the 3 December meeting of the Board of Governors.

An *ad hoc* patent committee has been struck under the chairmanship of John Bachynsky, Dean of Pharmacy and Pharmaceutical Sciences, to make recommendations on patent and royalty policy for the University. Pharmacy, incidentally, is the most active Faculty with respect to the holding of patents and the application for same.

Dr. Kaplan further informed the Board that since 1970, eighty-seven proposed patents have been sent by the University to CPDL. Of these, fifteen were accepted for patenting.

Since 1970 the University has received a total income from its patents, with CPDL, of \$2,221.88.

Dr. Kaplan's detailed submission to the Governors pointed out that costs in connection with applications for patents made by the University independent of CPDL in the period 1978 to 1982 were \$25,000 for three patents. Additionally, the University has spent less than \$1,000 so far in a

joint application with Queen's University for a patent on a new B-lactum antibiotic.

Queen's employs its own patent agent and we are sharing costs as well as possible revenue, he noted.

No one has ever determined how many patents have been applied for and received independently by members of staff; section 16.01 of the Academic Staff Agreement states that a staff member may apply for a patent on his own or may do so "through the University patent plan." This appears to be incompatible with the Board's patent policy, Dr. Kaplan said.

A new committee under the chairmanship of Steve Hunka, Professor of Educational Psychology and Coordinator, Division of Educational Research Services, will give consideration to private companies and research consulting on campus. The committee's objective is to produce a policy paper for study by the University's various constituent groups and, of course, the Board of Governors.

Dr. Kaplan said that the new Director of Research Services (the appointment will likely be made in January) will have as a major responsibility the development of contract research and the transfer of technology and software to the private sector. The individual will have

FOLIO

*Volume Nineteen
Number Twenty-five*

*The Office of Community Relations
423 Athabasca Hall
The University of Alberta
Edmonton, Alberta T6G 2E8
(403) 432-2325*

All enquiries and correspondence should be directed to.

*Ron Thomas
Editor*

*The Office of Community Relations
produces Folio on a weekly basis for the
staff and other interested persons. Folio
contents may be reprinted with
acknowledgment*

ISSN 0015-5764

Copyright 1982

extensive industrial and/or engineering experience.

Assuredly, university licencing and royalty operations can realize profits. The University of Waterloo, Dr. Kaplan mentioned, set up an arm's length company to merchandize computer software, a venture which netted \$1.5 million last year. However, the other side of the coin shows that all nine campuses of the University of California cleared about \$100,000 in patent and copyright

royalties last year, about a 0.001 percent drop in its annual budget bucket.

It is Dr. Kaplan's view that, even were income from research royalties to be non-trivial, "our major interest in pursuing research leading to patents must be, and must be seen to be, the encouragement of industry and agriculture in Alberta and Canada."

University patents and related commercial operations ought to be in the hands of an arm's length

company, owned by the University, by a consortium of universities, or by the Crown, he contended.

"Certain high technology companies and joint ventures, for example, Majestic Laser Systems; Bio-Logicals-Alberta Research Council joint venture in biotechnology, have already begun in close relation with the University; nor should we forget Chembiomed in this connection. Discussions are taking place with respect to others and I

anticipate that within the next year or so a number of others will establish here. Our Microelectronic Centre has already had considerable impact, as will the presence of our new Tory Professor, Dr. H. Baltes, when he arrives next month. Certain of these companies, perhaps most, can survive only in close proximity to a major research university," Dr. Kaplan stated. □

General Faculties Council

*There once was a Council efficient
Its administrative skills most
proficient..*

In December it met

And 'twould well be there yet

*Had its members not cried "That's
sufficient!"*

Efficiency was certainly the order of the day on Thursday, 2 December, when General Faculties Council conducted its monthly meeting, a meeting which began in earnest with the welcoming of seven new student members: Janis Sasaki, Nursing; Barry Laiss, Business; and Marcel Mah, Tom Dorran, Al Jina, Daniel Lupin, and Indra Gupta, all of Science.

ADC Announces Chair in Burns
Council received reports from its Executive Committee, its Board of Governors representative, and its nominating committee, and then heard George Baldwin, Vice-President (Academic), announce in his quarterly report of the Academic Development Committee that a Firefighters Chair in Burns has been established at the University. It will be funded from income generated by a half million dollar endowment by the University Hospitals Firefighters Burn Treatment Society Fund.

The Chair, a full professorship within the Department of Surgery, will be dedicated to "treatment, teaching, and research related to burn injuries." In making the announcement, Dr. Baldwin expressed the hope that the endowment income would qualify for a matching grant from the provincial government.

In his report of the Planning and Priorities Committee, Dr. Horowitz

informed Council that some "difficult decisions" had been made with respect to space priorities. Explaining that a new building for Civil Engineering and another for medical research topped the "needs" list, he went on to say that the restoration of the Old Arts and Earth Sciences (formerly Agriculture) Buildings were also high on the priorities list. But he made it clear that the decision-making process by PPC took into account not only academic priorities but the economic climate as well.

Annual Reports

GFC received annual reports for the 1981-82 academic year from a number of its committees, including those on Admissions and Transfer; Senate Lay Observers to Quota Faculties; Writing Competence; Conference Funds; Campus Law Review; the Library; Housing and Food Services; and Administrative and Professional Officers.

Some time was devoted to a report presented to Council by Willard Allen, Associate Vice-President (Finance and Administration) concerning the 1983-84 Operating Budget Principles and Policies. It was pointed out that there were no significant changes in the general guidelines, the aim of which is a break-even budget. Council was made aware that a new category of the contingency fund has been established specifically for the President's Advisory Committee on Campus Reviews, and that an appeal has been made to Advanced Education for additional funds necessary in light of the greatly increased enrolment during this academic year.

Committee on Sexual Harassment

A closing item on the lengthy agenda concerned the President's Committee on Sexual Harassment. Council was presented with a statement from the President which included the definition of sexual harassment as outlined by the *Alberta Individual's Rights Protection Act* and the Canadian Association of University Teachers, an overview of the reasons for the University's involvement in the issue, and an outline of the complaint procedures.

Do the elaborate measures of the committee reflect the severity of the problem? By no means, according to

Dr. Horowitz. "Clearly our major emphasis will be on education and prevention," he explained. "We believe that we are a civilized community, and if problems do arise we want to be able to deal with them properly."

The committee includes representatives from the undergraduate students, the graduate students, the Non-Academic Staff Association, and the Association of the Academic Staff: University of Alberta.

And with that, the meeting concluded. Twenty-seven items dealt with, efficiently, proficiently, and sufficiently! □

J. S. Nielsen is First PhD Grad in Environmental Science

Fall Convocation, held on 20 November, constituted a milestone for the Department of Civil Engineering, namely the graduation of Jeppe Sondergaard Nielsen. Although the department has long had an active graduate program (the current enrolment is 144; 25 PhD, 60 MSc, 59 MEng), Dr. Nielsen became the first graduate to earn a PhD in Environmental Science.

The Environmental Science graduate degree programs have been designed to provide interdisciplinary degrees for science graduates in the applied field of environmental problem solving. These are distinct from the Environmental Engineering programs which are designed for students whose first degree is in Engineering.

Dr. Nielsen previously earned a BSc in Chemistry from the University of Otago, New Zealand, in 1968, and a MSc in Chemistry from Massey University, New Zealand in 1972.

He had supervised a series of water quality studies for the New Zealand Ministry of Works and Development prior to joining the Department of Civil Engineering graduate program at our University in September 1978.

Dr. Nielsen's dissertation was entitled "Role of Speciation in Metal Removal by Activated Sludge." It was funded by the Municipal Engineering Branch, Standards and Approvals Division, and the Research Management Division of Alberta Environment, as well as by the Water and Sanitation Department of the City of Edmonton.

The interdisciplinary nature of Dr. Nielsen's work was reflected in the composition of his supervisory committee. This consisted of F. Cantwell and B. Kratochvil, Department of Chemistry; D. W. Westlake, Department of Microbiology; and P. H. Bouthillier and S. E. Hudey (supervisor), Department of Civil Engineering. The external examiner was Roger Minear, University of Tennessee.

The research has developed a sound chemical basis for the study of toxic metal removal by biological wastewater treatment systems and has resulted in presentations at the International Conference on Heavy Metals in the Environment in Amsterdam (September 1981), and at the Annual National Conference of the Canadian Society for Civil Engineering (May 1982). In addition, one major technical report and two major journal articles (another two are in preparation) have arisen from his work.

While Dr. Nielsen is the first PhD graduate in Environmental Science, the Department of Civil Engineering has previously granted six MSc degrees in Environmental Science to students with biology and chemistry backgrounds for research topics ranging from public health concerns with washwater disposal in remote Arctic communities to winter dissolved oxygen depletion problems in the Red Deer River.

Currently, there are two PhD and four MSc students in the Environmental Science category among the eighteen graduate students in the Environmental Science and Engineering program of the Department of Civil Engineering. These students are engaged in research topics ranging from anaerobic biological treatment of coal conversion process wastewaters to removal of taste and odor from Edmonton drinking water.

The Environmental Science option within Civil Engineering provides a focus for interdisciplinary research into many environmental problems of major relevance to the quality of life in Alberta. In the words of a Civil Engineering spokesman: "It is appropriate that this exciting new program will now be represented in the scientific community through the activities of someone as dedicated and qualified as Dr. J. S. Nielsen." □

Christmas Bureau Needs Support

For hundreds of families in the greater Edmonton area, Christmas has become synonymous with the Christmas Bureau. For more than forty years, the Bureau has been helping needy families for whom Christmas might otherwise be far from merry. The following has been received from the Bureau.

General Information

General Information

The Christmas Bureau confines its operation to the greater Edmonton area and every effort is made to keep all information regarding the circumstances of needy families confidential. Because of the possibility of embarrassment and difficult situations, children are discouraged from delivering hampers.

Are You a Donor Group?

If you are a donor, or part of a donor group, you may receive the name of a needy family by phoning the Bureau at 421-9627. Since names given out by the Bureau have already been assessed as to need, there is no need for further investigation by the donor group. Cash donations given to the Bureau will be used for food certificates.

Do You Know of a Family in Need?

Names of families who would benefit from the services provided by the Christmas Bureau can be submitted directly to the following special service agencies: Catholic Social Services (488-9404); Salvation Army (424-6924); Royal Canadian Legion (423-3965). Names of needy families will not be accepted by the Bureau itself, but must be submitted to one of

the agencies listed above, or by a bonafide source such as a social worker, the clergy, etc.

In order to avoid duplication of assistance, the Bureau asks that everyone planning to assist a needy family register that family name with the Bureau. There have, in the past, been occasions when hampers have been refused because of duplication, and have then gone to waste.

The success of the Christmas Bureau depends on the support and cooperation of individuals and groups in the greater Edmonton area. Please help. Early donations are strongly encouraged and can be sent to: The Christmas Bureau of Edmonton, #418, 10010-105 Street, Edmonton, Alberta, T5J 1C4, telephone 421-9627. □

Steacie Prize Goes to University Biochemist

For the second time since its creation in 1964, the prestigious Steacie Prize has been awarded to a University of Alberta scientist. B. D. Sykes, Professor of Biochemistry, has been named the 1982 winner of the \$5,000 prize which is awarded annually to a Canadian scientist under the age of forty who is active in any branch of the sciences or engineering. Acknowledged as the most prestigious scientific award to a younger scientist, the prize is named in honor of the late E. W. R. Steacie, a world-renowned physical chemist who was President of the National Research Council from 1952 to 1962, and President of the International Council of Scientific Unions in 1961.

Dr. Sykes is a graduate of The University of Alberta (BSc 1965) and Stanford University (PhD 1969). He taught in the Department of Chemistry at Harvard University from 1969 to 1975, at which time he joined the staff of our University.

Dr. Sykes's research centres on the application of nuclear magnetic resonance (NMR) techniques to studies of the properties and mechanisms of action of a number of protein and enzyme systems. An acknowledged world leader in this important field, he has not only made notable contributions to studies of

biological systems using established NMR techniques, but has contributed significantly to the development of new NMR techniques and experimental approaches. He has authored more than 100 publications describing the results of his research activities. Dr. Sykes's outstanding scientific contributions were recognized earlier this year by the Canadian Biochemical Society which named him the recipient of its Ayerst Award.

Gordon Rostoker, Professor of Physics, was the first member of The University of Alberta scientific community to be honored with the Steacie Prize. His work dealing with the physics of the earth's magnetosphere won him the prize in 1979.

Dr. Sykes will be presented with a certificate and a cheque for \$5,000 at a dinner to be held in his honor on Tuesday, 21 December. □



Summer Institute for Petroleum Industry Development Established

In response to an increasing demand for short-term, specialized training programs in the oil and gas industry, The University of Alberta has announced the establishment of an annual Summer Institute for Petroleum Industry Development.

The Institute, sponsored jointly by the Faculty of Engineering and the Office of Student Affairs, will be held each summer and will offer individualized programs in which participants can select their specialized area of interest.

The idea for the Institute came to the fore last summer when a training program for several hundred United Nations Fellows from Lemigas, an Indonesian Oil and Gas Institute, was held at the University. The program was so successful and organizers received so many enquiries that it was felt an annual training program would

meet an expressed need and have wide appeal to countries which are currently in the process of developing their petroleum industry.

The Institute's objectives are to provide specialized training for personnel working in the industry; to utilize University resources, experience, and expertise and then share this knowledge in order to further the development of oil and gas industries in Third World countries; to bring to the province personnel from developed and less-developed countries to participate in a program combining academic and industrial experience; and to fulfill the University's commitment to international development.

The twelve-week program will consist of the following components: English language training and orientation (three weeks); introduction

and overview of the oil and gas industry (two weeks); specialized studies (six weeks); and summation (one week). A variety of specialized programs will be offered to participants, including an off-shore program which will be arranged in conjunction with institutions on the east coast.

The intent of the Institute is that it operate on a cost-recovery basis, with

funding coming from several sources: direct fees from participants; contributions from industrial firms which are participating directly in the program or are involved in the petroleum industry in other countries; and CIDA and other international agencies with an interest in developing human and technical resources in Third World countries. □

Afro-Asian Languages Program Faring Well

The University of Alberta is one of the few Canadian universities where opportunities exist for learning some of the major languages of Asia and Africa. During the last two years GOALAS (Group on Oriental and African Languages and Area Studies) has sponsored non-credit courses in Bengali, Hindi, Tamil, and Urdu (languages of India and Pakistan). GOALAS is pleased to announce some additions to its language program this year. Arrangements are in progress to offer Ewe (Ghana), Telugu (India), and Yoruba (Nigeria) beginning January 1983, subject to sufficient enrolment.

These courses are taught by volunteer instructors and no tuition fees will be charged. However, students will have to pay for books and other instructional materials. The courses will run from 17 January 1983 to 30 April 1983. All courses are at the beginner's level. In addition, second level courses are available in Hindi and Tamil.

People interested in enrolling in language courses should contact instructors noted in the following schedule or the chairman or secretary of GOALAS.

Hindi, Thursdays from 7:30 to 9 p.m. with A. Sharma, Department of Mathematics (432-3397); *Tamil*, Beginners: Thursdays from 5 to 7 p.m.; second level: Mondays from 5 to 7 p.m. with V. Manickvel, Department of Pathology (432-3059); *Telugu*, Beginners: Wednesdays from 5 to 7 p.m. with S. Subbarao, Department of Entomology (432-4652).

GOALAS was established on campus about three years ago by some members of the University community who are interested in Asia and Africa. The objectives of the group include instruction in languages and literatures of Asia and Africa and promotion of interdisciplinary studies pertaining to this region. To this end, GOALAS also sponsors a seminar series.

All members of the University community are invited to attend the monthly meetings of the group and enrich its programs through active participation.

For further information on language classes or general activities of GOALAS, please contact S. H. Arnold, chairman (432-5535), or S. Subbarao, secretary (432-4652). □

Ethel Anderson, 1890-1982

The last living member of the University's first graduating class is gone. Ethel Anderson, one of the class of 1912, died recently at the age of 92. A native of East Grand Forks,

Minnesota, Miss Anderson came to Alberta with her family at the turn of the century and subsequently enrolled in Arts and Science at this University. An active member of her class, Miss Anderson was head of the women's athletic program. In an early edition of the *Gateway*, in which members of the class of 1912 were featured, Miss Anderson was described as someone who had "worked steadily through her course and maintained a quiet dignity, the grace of womanhood. She has

exerted an influence without imposing it and will undoubtedly fill her place in life."

Upon graduating from The University of Alberta, Miss Anderson went to Calgary to obtain her teaching certificate. After teaching in Edson (her salary was a grand \$90 per month), she came to Edmonton where she taught first at H.A. Gray and then, for many years, at the newly opened Eastwood Junior High School.

Miss Anderson has long been considered a good friend of the University, always ready to share her recollections about the University, its history, and its people. □

Food Services on Campus Christmas Schedule 1982

	Facility	Close	Open
1.	SUB—Buffeteria Snack Bar	Dec. 10, 1982 Dec. 17, 1982	Jan. 4, 1983 Jan. 4, 1983
2.	CAB	Dec. 21, 1982	Jan. 4, 1983
3.	Lister	Dec. 18, 1982*	Jan. 3, 1983 (Lunch) 8:00 am - 6:00 pm—Weekdays 11:00 am - 6:00 pm—Weekends
4.	Faculté Saint-Jean	Dec. 22, 1982	Jan. 2, 1983 (Lunch)

*Service moves to The Ship

All Food Services will be closed Dec. 24, 1982 - Dec. 28, 1982 in addition to January 1st, 1983

The following will be open for service on December 29, 30, 31, 1982 with regular operating hours. The Ship, Lister Hall: Administration Building - Basement: Biological Sciences - 4th Floor: Education II - 4th Floor: General Services Building - 7th Floor: University Hall - Basement.

All food services will re-open for regular service Tuesday, January 4, 1983

Vending areas are available throughout the holidays, as well as the food outlets on the HUB Mall: HoHo Chinese Food, Bottleneck Restaurant, Cafe Casablanca, Incredible Edibles, Living Earth, HUB Deli, Patria (Ukrainian), HUB Burgers, Java Jive.

The University will be closed December 24, 25, 26, 27, 28, 1982 and January 3, 1983.

MTS

Computing Services' Christmas present to its users, the Amdahl 580/5860, is being installed over the Christmas season. Therefore, it is expected that no service will be provided after 4 p.m. Thursday, 23 December 1982 until 8 a.m. Tuesday, 4 January 1983.

However, if the installation goes even more smoothly than expected, the following services will be offered: *No service* from 4 p.m. on 23 December until 8 a.m. on 29 December. *Regular service and hours*

from 8 a.m. on 29 December until 4 p.m. on 31 December. *Unattended service* from 4 p.m. on 31 December until 8 a.m. on 4 January. *Regular service and hours* from 8 a.m. on 4 January.

and PLATO

No service from 11 p.m. on 17 December until 8 a.m. on 20 December. *Unattended service* from 4 p.m. on 23 December until 8 a.m. on

29 December. *No service* from 11 p.m. on 31 December until 8 a.m. on 4 January. *Regular service and hours* from 8 a.m. on 4 January.

The General Services Building will be locked at 6 p.m. on 23 December until 7 a.m. on 29 December, and again from 6 p.m. on 31 December until 7 a.m. on 4 January.

By way of explanation, "unattended service" means terminal access only. Magnetic tape, paper tape, and floppy disk service will not be provided. Jobs may be submitted to *BATCH*. Print jobs will be queued and possibly printed, but users will not be able to pick up output during these times as Computing Services will only have a skeleton staff.

The cooperation of users is appreciated. Should the reductions in services cause any problems or concerns, please contact Henry Ewasechko at 432-3625. □

University of Alberta Library Hours

Christmas Period

Effective Tuesday, December 21, 1982 to Monday, January 3, 1983.
Normal Library Hours will resume on January 4, 1983.

All Libraries Closed

December 24 (Friday)
December 25 (Saturday)
December 26 (Sunday)
December 27 (Monday)
December 28 (Tuesday)
January 1 (Saturday)
January 2 (Sunday)
January 3 (Monday)

Cameron and Rutherford Libraries

Building Open	Monday - Friday	0830 - 1700
Circulation Services	Monday - Friday	0830 - 1645
Fines Collection	Monday - Friday	0830 - 1200
		1300 - 1630
Reference Services in all Divisions and Units including Interlibrary Loans and Reserve Room	Monday - Friday	0830 - 1630
Photoduplication	Monday - Friday	0830 - 1200
		1300 - 1630

Herbert T. Coutts (Education) Library

Building Open	Monday - Friday	0830 - 1700
Circulation Services	Monday - Friday	0830 - 1645
Closed for renovations on December 22 and 23 (Wednesday & Thursday)		

*John A. Weir Memorial Library

December 21 - 23	0745 - 1700
December 29 - 31	0830 - 1700

Other Libraries

Computing Science Reading Room	Monday - Friday	0900 - 1200
		1300 - 1700
*Mathematics Branch Library	Monday - Friday	0900 - 1200
		1300 - 1700
Physical Science Branch Library	Monday - Friday	0830 - 1200
		1300 - 1630
*John W. Scott Branch Library	Monday - Friday	0900 - 2200

*Detailed hours will be posted.

page six, Folio, 16 December 1982

people

Bruce Bain (Educational Psychology) and **Agnes Yu** (Edmonton Public Schools) recently presented the paper "A Tale of Two Cultures: Middle Class Immersion and Working Class Submersion" to the Canadian Immersion Teachers Association, Vancouver.

Guy Goyer (Geography) was recently appointed a Research Fellow by the Alberta Research Council. Dr. Goyer, a member of the University faculty since 1974, is the third senior scientist to receive this highest professional honor awarded by the Alberta Research Council.

David Jones (Law) recently delivered a paper on "Sources of Income: Update on Basic Tax Concepts" to the Annual Conference of the Canadian Tax Foundation in Toronto.

Gordon Perry (Campus Security) lectured at a series of classes on private security. The classes, sponsored by Memorial University, University Hospital, and the Government of Newfoundland, took place in St. John's 6 to 12 December.

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events Lectures and Seminars

Informal Italian Colloquia

Are held on Thursdays from 1 to 2 p.m. in the Department of Classics Faculty Lounge. They are open to anyone wishing to practice their Italian. 1-37 Humanities Centre.

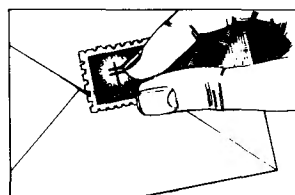
Limnology and Fisheries Discussion Group

16 December, noon. Ed Riley, University of Alberta will present a lecture entitled "The importance of sediments as a source of phosphorus in shallow lakes." G217 Biological Sciences Building.

Department of Biochemistry

16 December, 12:30 p.m. Yoshinori Takeda, University of Maryland, Baltimore County, will

Stick with us.



For over 50 years your Christmas Seal donations have helped to fund important medical research. We've helped to minimize tuberculosis cases and are moving forward in the fight against other lung disorders like emphysema, asthma, chronic bronchitis, and lung cancer.

Your Christmas Seal donations will help us win the fight. Millions of Canadians will breathe a lot easier.

Give to Christmas Seals.

Your  Lung Association
"The Christmas Seal People"

present a seminar entitled "The Cloning of the Human Superoxide Dismutase Gene." 470 Medical Sciences Building.

20 December, 4 p.m. Ian Armitage, Department of Molecular Biophysics and Biochemistry, Yale University, will speak on "NMR Analysis of the Structure and Metal Sequestering Properties of Metallothionein: Their Relationship to Function." 227 Medical Sciences Building.

Department of Botany

16 December, 3 p.m. Kenneth R. Knoerr, School of Forestry and Environmental Studies, Duke University, Durham, North Carolina, will speak on "Experimental analysis of hydrocarbon emission from forest vegetation." M-137 Biological Sciences Building.

Department of Comparative Literature

16 December, 4:30 p.m. Cyrus Hamlin, Department of English/Comparative Literature, University of Toronto, will present a seminar entitled "The Faults of Vision and Coleridge's 'Kubla Khan'." Senate Chamber, Old Arts Building.

Music

Edmonton Gregorian Chant Choir

The choir meets every Monday evening, 7 to 8:30 p.m. For more information, call St. Joseph's College at 433-1569. No experience necessary. 3-01 Rutherford Library South.

Department of Music

17 December, noon. Festival of Nine Lessons and Carols. The University of Alberta Mixed Chorus—Ron Stephens, director, with Jeremy Spurgeon, organ. Sponsored by the University of Alberta Chaplains' Association. Convocation Hall.

19 December, 8 p.m. Messiah (Christmas portion) Edmonton Mennonite Church Choirs with Ron Dyck, director. Convocation Hall.

75th Anniversary Events

Until 19 December. World Print III Exhibition. Organized by the World Print Council, the California College of Arts and Crafts, and Osaka University of Arts. Circulated by the Smithsonian Travelling Exhibitions Service. Ring House Gallery.

Until 19 December. Rebecca Aronyk: MVA Exhibition. Ring House Gallery.

28 to 30 December. Klondike International Basketball Classic. Varsity Gym.

Bruce Peel Special Collections Room

Until 5 January, 1983. "A Gallimaufry of 18th century books" (in honor of the Canadian Society for Eighteenth Century Studies). B-37 Cameron Library.

Rutherford House

The restored home of Alberta's first premier, A. C. Rutherford is located on the campus of the University of Alberta, which he founded. Costumed guides show visitors through the refurbished rooms. Open: Although undergoing further restoration, Rutherford House will be open each Saturday and Sunday Noon to 6 p.m. except for 25 and 26 December, and 1 and 2 January. Group tours at other times may be arranged by calling 427-5708 during office hours at least one week in advance.

Radio and Television

Radio

Programs broadcast on CKUA radio 580 AM. 94.9 FM.

17 December, 7:30 p.m. International Development—"Big Corporations, Big Banking."

18 December, 7 p.m. University Concert Hall—"Concerts, recitals and interviews with the Faculty and special guests of the Department of Music."

22 December, 7 p.m. Masks and Faces—"Ethical Self."

22 December, 7:30 p.m. Extensions—"Instructors in the Faculty of Extension discuss their subject areas."

22 December, 7:45 p.m. Perspectives—"Issues underlying current events examined in lively debate format."

24 December, 7:30 p.m. International Development—"How Media Cover Third World Issues."

Television

Programs broadcast on Q-9 and C-13.

20 December, 9 p.m. Islam in Focus

22 December, 9 p.m. Faculty Profiles—Faculty of Arts: Department of History—"Dr. Brian Evans takes a brief look at the history of China."

23 December, 9 p.m. Can You Tell Me Your Name—"The reactions of the community to a stutterer and how he copes."

Matters of Faith

Lutheran Campus Ministry Worship each Sunday at 10:30 a.m. in the Newman Centre, the west basement of St. Joseph's College. All are welcome.

Non-Credit Courses

Faculty of Extension

Comprehensive Planning

Dates: 17 to 19 January. Time: 9 a.m. to 4:30 p.m. Fee: \$175. For further information, call 432-2912.

Computing Services

Client Training Sessions

Computing Services is taking registrations between 8:30 a.m. and noon for the following non-credit courses. Payment is required in advance and clients who do not cancel two business days in advance will be charged. For further information, please telephone Information Services at 432-2261, or come to 352 General Services Building.

MTS and Editor Fundamentals

Course number: 801. Dates: 22, 23 December. Time: 11 a.m. to 1 p.m. Fee: \$15. Prerequisites: "Introduction to Computing" or equivalent working knowledge of a DECwriter terminal and the MTS system. Place: 351 GSB.

Introduction to SPIRES

Course number: 845. Date: 20 December. Time: 1 to 4 p.m. Fee: \$10. Prerequisites: "MTS and Editor Fundamentals" and a good working knowledge of file editing and terminal use. Place: 315/351 GSB.

Integrated Graphics Overview

Course number: 851. Date: 22 December. Time: 1 to 3:30 p.m. Fee: \$10. Prerequisites: "Introduction to Plotting" is recommended. Place: 315 GSB.

Introduction to Computing

at the U of A

Course number: 780. Date: 20 December. Time: 11 a.m. to 1 p.m. Fee: \$10. Prerequisites: No previous computing experience, but familiarity with a keyboard is required. Place: 351 GSB.

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 26 November 1982. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in P.S.S.R.

Clerk Typist III (\$1,232 - \$1,487) Personnel Services

Clerk Steno III (\$1,232 - \$1,487)

Extension-Educational Media

Secretary (Hourly) (\$9.05 - \$11.09/hour) - Design and Construction

Pharmacist (Part-time) (\$954 - \$1,184) University Health Service

Food Service Worker III (\$1,324 - \$1,616)

Housing and Food Services

Technician I (\$1,426 - \$1,754) Home Economics,

Anatomy, Provincial Laboratory

Chemical Technician I (Trust) (\$1,426 - \$1,754)

Chemistry

Animal Technician I (Trust) (\$1,426 - \$1,724)

MSB Animal Unit

Technician I/II (Trust) (\$1,426 - \$1,992)

Physiology

Storeman III (Term) (\$1,548 - \$1,908) Central Stores

Technician II/Technologist I (Trust) (\$1,616 -

\$1,992) Biochemistry, Animal Science

Laboratory Technologist I (\$1,754 - \$2,171)

Provincial Laboratory

Nurse (\$1,829 - \$2,265) University Health Service

Laboratory Technologist II (\$1,908 - \$2,368)

Provincial Laboratory

Technologist III (\$2,078 - \$2,581) Genetics

Programmer/Analyst III (Trust) (\$2,472 - \$3,085)

Computing Science

Programmer/Analyst III (\$2,472 - \$3,085)

Computing Services

Instrument Mechanic (\$2,985) Physical Plant

(Utilities-Mechanical)

Pipefitter (Plumber) (\$2,985) Physical Plant

(Maintenance)

Electrician (\$2,997) Physical Plant (Electrical

Utilities)

Miscellaneous Trades Foreman (Salary will be

determined by trade ticket) Physical Plant

(Projects)

Pipefitter Foreman (\$3,357) Physical Plant

(Maintenance)

For vacant library positions, please contact the Library Personnel Office, 5th Floor, Cameron Library, telephone 432-3339.

A Tax Shelter To Build On:

Teachers' Home Ownership Savings Plan - only for educators & their spouses

Benefits:

- No investment minimum; no opening or closing charges;
- Earn an attractive rate of interest compounded monthly;
- Transfer funds directly from your Co-op savings account;
- Redeem your funds promptly (withdrawals processed weekly at your Co-op).

Call your Co-op today for a brochure and application form

Contribution deadline: Dec. 31, 1982

Barnett House, 11010 - 142nd St. Edmonton, Alberta
T5N 2R1 Telephone **453-3902**

 **TEACHERS' INVESTMENT AND HOUSING CO-OPERATIVE**

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of thirty words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone.

Accommodations available

For sale—"Rare find." Over 1,800 sq. ft. Close to University. Only \$109,000. Call DeAnna Larson 481-0936, 436-5250. Spencer's.

Renting—Riverbend—The Courtyard-Townhomes. Double attached garages. Three bedrooms. Fireplace. Two baths. Main floor laundry. Exceptionally large master bedroom and ensuite. Helen Patterson 436-3050.

For rent—One bedroom apartment. Furnished/unfurnished 10011-116 St. Bus from

door to University. 20 Dec. \$415. 432-4104, 488-2113.

Shared accommodation—Two bedroom house. Near the University. Female, non-smoker preferred for 1 Jan. Ruth 439-0910.

For rent—Three bedroom, semi-bungalow walking distance University. 1 Jan - 1 July 438-0222.

To rent—Heritage, three bedroom Spanish townhouse. Furnished, four appliances. \$600/month. D.D. Call weekends 437-7834.

Shared accommodations—In executive Riverbend townhouse. Large private bedroom, comfortable surroundings. Quiet-living person wanted. Call Denise 435-6355, 436-5250.

Shared accommodations—Student to share home with family. Private room, cablevision, telephone. Excellent location near Southgate. Call Audrey 436-7456.

Accommodations available—In quiet home for mature, non-smoker. 434-8801 6-7 p.m.

For sale or rent—Three bedroom condo. Southside, very pleasing features and financing. Phone for particulars 438-3308

For sale—Charming semi. (11147-77 Ave.), two fireplaces, basement suite \$95,000. Call DeAnna Larson 481-0936, 436-5250. Spencer's.

For rent—Furnished, two bedroom, basement suite. 1 1/2 blocks University. \$350 plus utilities. 459-6018.

Accommodations wanted

Rental wanted—1,200+ sq. ft. (Ottewell, Holyrood, Gold Bar, Hardisty, etc.) For approximately six months or "Rent to purchase." DeAnna Larson 481-0936, 436-5250. Spencer's.

Automobiles and others

1975 Vega. Needs new motor. \$300. 432-0496 evenings.

Goods for sale

Unique, handwoven Christmas gifts. Open House sales 5 and 12 Dec. 1-5 p.m. Private showings by appointment. Custom orders taken until 12 Dec. Weaving by Dayna 434-4407, 4003-120 St.

IBM correcting Selectric typewriter. Less than two years old. Excellent condition. Priced below resale value. 481-0936, 432-5453.

Services

Donnic Word Processing Specializing in theses, manuscripts, etc 8315A-105 St. 432-1419.

Singing teacher, Eileen Turner 439-4661.

General Carpentry Work—Renovations, 434-9709 evenings.

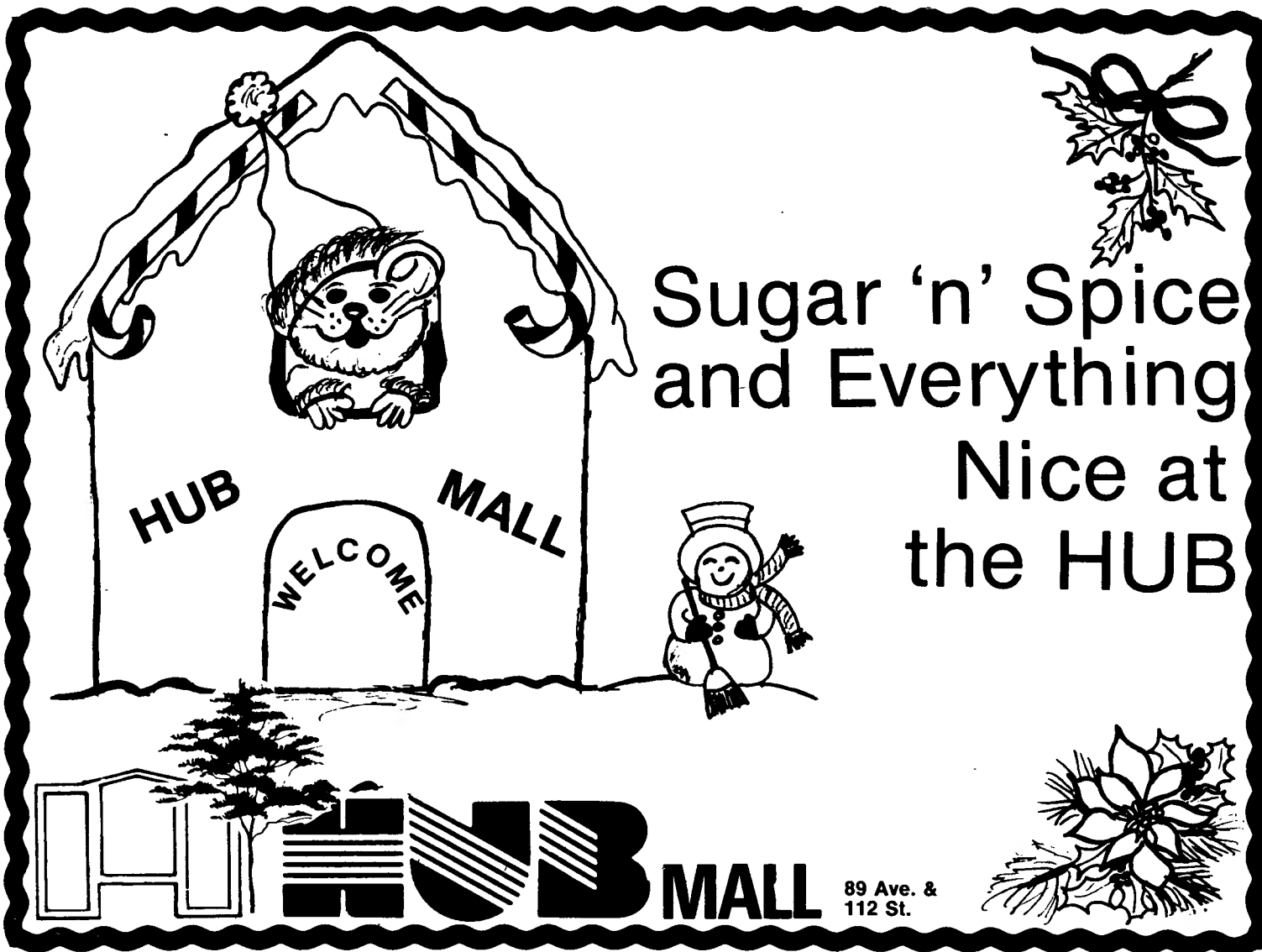
Relief for backache, stress, tension. The Krieg Clinic provides specialized medical massage and chirogymnastic. Fully qualified and German trained. Gift certificates available. Maria Krieg C.P.H.T. 436-8059, 11627-75 Ave.

Professional, finishing and general carpentry work. Call 432-7974.

Term papers typed—IBM memory typewriter fast. \$17/hour, accurate service. Call Lesley anytime 436-1999.

Would like to do housework by the hour. Please call Monday or Fridays 435-8944.

Babar's Kindergarten now has openings in its full-time/part-time programs. Ages 2 1/2-6. Low student/teacher ratio, partial French program, gymnastics, drama, music, art, gardening. Phone 455-5710.



Sugar 'n' Spice
and Everything
Nice at
the HUB

HUB MALL 89 Ave. & 112 St.